

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
UCT-0045

In Re Application Of: **Fotios Papadimitrakopoulos**

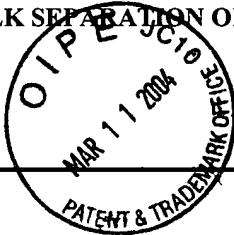
Serial No.
10/775,566

Filing Date
February 10, 2004

Examiner
NYA

Group Art Unit
NYA

Title: **BULK SEPARATION OF SEMICONDUCTING AND METALLIC SINGLE WALL NANOTUBES**



Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

37 CFR 1.97(b)

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
- ☐ the statement specified in 37 CFR 1.97(e);
- OR**
- ☐ the fee set forth in 37 CFR 1.17(p).

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
UCT-0045

In Re Application: Fotios Papadimitrakopoulos

Serial No.

10/775,566

Filing Date

February 10, 2004

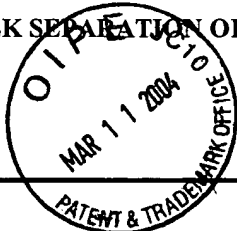
Examiner

NYA

Group Art Unit

NYA

BULK SEPARATION OF SEMICONDUCTING AND METALLIC SINGLE WALL NANOTUBES



Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of _____ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. 06-1130 as described below.
- ☐ Charge the amount of _____
- ☐ Credit any overpayment.
- ☒ Charge any additional fee required.

Certificate of Transmission by Facsimile*

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (F:

(Date)

Signature

Typed or Printed Name of Person Signing Certificate

Certificate of Mailing by First Class Mail

I certify that this document and fee is being deposited on March 9, 2004 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Lindsay Wells

Signature of Person Mailing Correspondence

Lindsay Wells

Typed or Printed Name of Person Mailing Certificate

*This certificate may only be used if paying by deposit account.

Karen A. LeCuyer

Signature

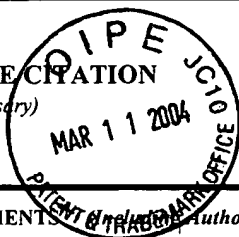
Dated: March 9, 2004

Karen A. LeCuyer
Registration No. 51, 928
Customer No. 23413
Cantor Colburn LLP
55 Griffin Road South
Bloomfield, CT 06002
(860) 286-0929

CC:

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



Docket Number (Optional)

UCT-0045

Application Number

10/775,566

Applicant(s)

Fotios Papadimitrakopoulos

Filing Date

February 10, 2004

Group Art Unit

NYA

*EXAMINER
INITIAL

OTHER DOCUMENTS (Author, Title, Date, Pertinent Pages, Etc.)

1	O'Connell et al., "Band Gap Fluorescence from Individual Single-Walled Carbon Nanotubes", SCIENCE, Volume 297, pages 593-596, July 26, 2002
2	Liu et al., "Fullerene Pipes", SCIENCE, Volume 280, pages 1253-1256, May 22, 1998
3	Rao et al., "Diameter-Selective Raman Scattering from Vibrational Modes in Carbon Nanotubes", SCIENCE, Volume 275, pages 187-191, January 10, 1997
4	Pimenta et al., "Raman Modes of Metallic Carbon Nanotubes", Physical Review B, Volume 58, Number 24, pages R16 016-R16 019, December 15, 1998
5	Brown et al., "Origin of the Breit-Wigner-Fano lineshape of the Tangential G-band Feature of Metallic Carbon Nanotubes", Physical Review B, Volume 63, pages 155414-1 - 155414-8, 2001
6	Brown et al., "Anti-Stokes Raman Spectra of Single-Walled Carbon Nanotubes", Physical Review B, Volume 61, Number 8, pages R5137-R5140, February 15, 2000
7	Bahr et al., "Functionalization of Carbon Nanotubes by Electrochemical Reduction of Aryl Diazonium Salts: A Bucky Paper Electrode", Journal of the American Chemical Society, Volume 123, pages 6536-6542, June 14, 2001
8	Kukovecz et al., "A Detailed Raman Study on Thin Single-wall Carbon Nanotubes Prepared by the HiPCO Process", The European Physical Journal B, Volume 28, pages 223-230, July 19, 2002
9	Nikolaev et al., "Gas-phase Catalytic Growth of Single-walled Carbon Nanotubes from Carbon Monoxide", Chemical Physics Letters 313, pages 91-97, November 5, 1999
10	Hamon et al., "Dissolution of Single-Walled Carbon Nanotubes", Advanced Materials, Volume 11, Number 10, pages 834-840, 1999
11	Mintmire et al., "University Density of States for Carbon Nanotubes", Physical Reivew Letters, Volume 81, Number 12, pages 2506-2509, September 21, 1998
12	Chattopadhyay et al., "Length Separation of Zwitterion-Functionalized Single Wall Carbon Nanotubes by GPC", Journal of the American Society Communications, Volume 124, Number 5, pages 728-729, 2002

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Use several sheets if necessary)

OIPE JC10
 MAR 11 2004
 PAYING OFFICE
 TRADE MARK

UCT-0045

10/775,566

Fotios Papadimitrakopoulos

February 10, 2004

NYA

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

Collins et al., "Engineering Carbon Nanotubes and Nanotube Circuits Using Electrical Breakdown", SCIENCE, Volume 292, pages 706-709, April 27, 2001

Lee, "Surface Characterization of Octadecylamine Films Prepared by Langmuir-Blodgett and Vacuum Deposition Methods by Dynamic Contact Angle Measurements", *Langmuir*, Volume 15, pages 1796-1801, February 9, 1999

DATE CONSIDERED

OF

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>	Docket Number (Optional) UCT-0045	Application Number 10/775,566
	Applicant(s) Fotios Papadimitrakopoulos	
	Filing Date February 10, 2004	Group Art Unit NYA

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	15	US 2003/0168385	09/11/03	Papadimitrakopoulos	209	1	12/20/02

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.